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<p>Substitute for form 1449A/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p><i>(Use as many sheets as necessary)</i></p>				<p>Complete if Known</p> <table border="1"> <tr> <td>Application Number</td> <td>10/602,219</td> </tr> <tr> <td>Filing Date</td> <td>6/23/2003</td> </tr> <tr> <td>First Named Inventor</td> <td>TURPEN et al.</td> </tr> <tr> <td>Art Unit</td> <td>1652</td> </tr> <tr> <td>Examiner Name</td> <td>RAMIREZ, Delia M.</td> </tr> <tr> <td>Attorney Docket Number</td> <td>LSBC-0087-CN09B</td> </tr> </table>		Application Number	10/602,219	Filing Date	6/23/2003	First Named Inventor	TURPEN et al.	Art Unit	1652	Examiner Name	RAMIREZ, Delia M.	Attorney Docket Number	LSBC-0087-CN09B
Application Number	10/602,219																
Filing Date	6/23/2003																
First Named Inventor	TURPEN et al.																
Art Unit	1652																
Examiner Name	RAMIREZ, Delia M.																
Attorney Docket Number	LSBC-0087-CN09B																
Sheet	1	of	5														

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.*	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T*
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				

Examiner Signature		Date Considered	2/26/06
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	10/602,219
Sheet	2	of	5	Filing Date	6/23/2003
				First Named Inventor	TURPEN, et al.
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NON PATENT LITERATURE DOCUMENTS			
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<i>DR</i>		BORK, "Powers and Pitfalls in Sequence Analysis: The 70% Hurdle", <i>Genome Research</i> (2000) 10:398-400	
		BOWIE, et al., "Diciphering the Message in Protein Sequences: Tolerance to Amino Acid Substitutions", <i>Science</i> (1990) 247:1306-1310	
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<i>DR</i>		FURBISH, et al., "Uptake and Distribution of Placental Glucocerebrosidase in at Hepatic Cells and Effects of Sequential Deglycosylation", <i>Biochimica et biophysica Acta.</i> , (1981) 673:425-434	

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				Group Art Unit	1652
				Examiner Name	RAMIREZ, Delia M.
				Attorney Docket Number	LSBC-0087-CN098

NON PATENT LITERATURE DOCUMENTS			
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DR		GRABOWSKI, et al., "Expression of Functional Human Acid β -glucosidase in COS-1 and <i>Sporodoptera frugiperda</i> Cells", <i>Enzyme</i> , (1989) 41:131-142	
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		MIYAMURA, et al., "A Carboxy-terminal Truncation of Human α -Galactosidase A in a Heterozygous Female with Fabry Disease and Modification of the Enzymatic Activity by the Carboxy-terminal Domain", <i>J. Clin. Invest.</i> , (1996) 98(8):1809-1817	
		MURRAY, et al., "Production of Recombinant Human Glucocerebrosidase in Plants", <i>Fed. of American Soc. for Experimental Biology</i> , (1996) 10(6):a1126	
DR		PARK, et al., "Structure and nucleotide sequence of tomato HMG2 encoding 3-hydroxy-3-methyl-glutaryl coenzyme A reductase", <i>Plant Mol. Biol.</i> (1992) 20:327-331	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	10/602,219
Sheet	4	of	5	Filing Date	6/23/2003
				First Named Inventor	TURPEN et al.
				Group Art Unit	1652
				Examiner Name	RAMIREZ, Delia M.
				Attorney Docket Number	LSBC-0087-CN09B

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<i>DR</i>		SCHATZLE, et al., "Molecular Cloning and Characterization of the Structural Gene Coding for the Developmentally Regulated Lysosomal Enzyme, α -Mannosidase, in <i>Dictyostelium discoideum</i> , <i>J. Bio. Chem.</i> (1991) 267(6):4000-4007		
		SCHULZ and SCHIRMER, "Principles of Protein Structure", (1979) pp. 14-16, Springer-Verlag, eds.		
		SCOTT, et al., "Structure and Sequence of the Human α -L-Iduronidase Gene", <i>Genomics</i> , (1992) 13:1311-1313		
		SCOTT, et al., "Human α -L-iduronidase: cDNA isolation and expression", <i>Proc. Natl. Acad. Sci. USA</i> , (1991) 88:9695-9699		
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		SORGE, et al., "Molecular cloning and nucleotide sequence of human glucocerebrosidase cDNA", <i>Proc. Natl. Acad. Sci. USA</i> , (1985) 82:7289-7293		
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		THORNBURG, et al., "Wound-inducible expression of a potato inhibitor II-chloramphenicol acetyltransferase gene fusion in transgenic tobacco plants", <i>Proc. Natl. Acad. Sci.</i> (1987) 84:744-748		
		TSUJI, et al., "Nucleotide Sequence of cDNA Containing the Complete Coding Sequence for Human Lysosomal Glucocerebrosidase", <i>J. Bio. Chem.</i> (1986) 261(1):50-53		
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		VIERSTRA, "Protein Degradation in Plants", <i>Annual Review of Plant Physiology and Plant Molecular Biology</i> (1993) 44:385-410, Annual Reviews, Inc., Palo Alto, California		
<i>DR</i>		VON FIGURA and HASILIK, "Lysosomal Enzymes and Their Receptors", <i>Ann. Rev. Biochem.</i> , (1986) 55:167-193		

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<i>JN</i>		WARNER, et al., "Photolabeling of the α -Neuraminidase/ β -Galactosidase Complex from Human Placenta with a Photoreactive Neuraminidase Inhibitor", <i>Biochem. and Biophys. Res. Comm.</i> (1990) 173(1):13-19	
<i>JN</i>		WEISSENBORN, "HMG-CoA reductase and terpenoid phytoalexins: Molecular specialization within a complex pathway", <i>Physiologia Plantarum</i> , (1995) 93:393-400	
<i>JN</i>		WELLS, "Additivity of Mutational Effects in Proteins", <i>Biochemistry</i> (1990) 29(37):8509-8517	
<i>JN</i>		WITKOWSKI, et al., "Conversion of a beta-Ketoacyl synthase to a malonyl decarboxylase by replacement of the active-site cysteine with glutamine", <i>Biochemistry</i> (1999) 38:11643-11650	

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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

1



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		Number - Kind Code ² (if known)			
DR		4,921,902	5/1/1990	HALL, et al.	
		5,316,931	5/31/1994	DONSON, et al.	
		5,401,650	3/28/1995	DESNICK, et al.	
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		5,589,367	12/31/1996	DONSON, et al.	
		5,618,699	4/8/1997	HAMAMOTO, et al.	
		5,955,647	9/21/1999	FITCHEN, et al.	
		5,977,438	11/02/1999	TURPEN, et al.	
		6,033,895	3/7/2000	GARGER, et al.	
		6,042,832	3/28/2000	KOPROWSKI, et al.	
		6,210,666	4/3/2001	MIYAMURA	
DR		6,232,099	5/15/2001	CHAPMAN, et al.	

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DR		EP 0174759	3/19/1986	JAMES, et al.		
		EP 0197809	10/15/1986	DELGRANGE, et al.		
		EP 0672754	9/20/1995	HAMAMOTO, et al.		
		EP 0726312	8/14/1996	EKEZE, et al.		
		WO 92/18618	10/29/92	LOMONOSOFF, et al.		
		WO 95/21248	8/10/1995	FITCHEN, et al.		
		WO 96/02649	2/1/1996	LOMONOSOFF		
		WO 96/12027	4/25/1996	CHAPMAN, et al.		
		WO 96/12028	4/25/1996	TURPEN, et al.		
		WO 97/10353	3/20/1997	RADIN, et al.		
		WO 97/39134	10/23/1997	WILSON, et al.		
		WO 97/49425	12/31/1997	BEEKMAN, et al.		
DR		WO 99/46288	9/16/1999	GARGER, et al.		

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<i>DR</i>		BAKER, et al., "Polyethylenimine (PEI) is a simple, inexpensive and effective reagent for condensing and linking plasmid DNA to adenovirus for gene delivery", <i>Gene Therapy</i> (1997) 4:773-782		
		DAWSON, et al., "A Tobacco Mosaic Virus-Hybrid Expresses and Loses an Added Gene", <i>Virol.</i> (1989) 172:285-292		
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		DONSON, et al., "Systemic expression of bacterial gene by a tobacco mosaic virus-based vector", <i>Proc. Natl. Acad. Sci. USA</i> (1991) 88:7204-7208		
		HAMAMOTO, et al., "A new tobacco mosaic virus vector and its use for the systemic production of angiotensin-I-converting enzyme inhibitor in transgenic tobacco and tomato", <i>Bio/Tech.</i> (1993) 11:930-932		
		HAYNES, et al., "Development of a genetically-engineered, candidate polio vaccine employing the self-assembly properties of the tobacco mosaic virus coat protein", <i>Bio/Tech.</i> (1986) 4:637-641		
		JADADISH, et al., "High level production of hybrid potyvirus-like particles carrying repetitive copies of foreign antigens in <i>Escherichia coli</i> ", <i>Bio/Tech.</i> (1993) 11:1166-1170		
		KORNREICH, et al., Swiss Prot accession number AGAL_HUMAN, January 1988		
		KREBBERS, et al., "Prospects and progress in the production of foreign proteins and peptides in plants", <i>Plant Protein Engineering</i> , Shewry, et al., Eds., Cambridge University Press, Cambridge (1992) pp. 316-324		
		MURRAY, "Lectin-specific targeting of lysosomal enzymes to reticuloendothelial cells", <i>Methods in Enzymology</i> (1987) 149:25, 39, 41-42		
<i>DR</i>		MURRAY, et al., "Production of Recombinant Human Glucocerebrosidase in Plants", <i>Fed. of American Soc. for Experimental Biology</i> , (April 1996) 10(6):a1126 <i>already considered</i>		

Examiner Signature	<i>DR</i>	Date Considered	2/26/06
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08
9/17/06

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¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

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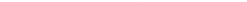
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	10/602,219
				Filing Date	6/23/2003
				First Named Inventor	TURPEN
				Group Art Unit	1652
				Examiner Name	Delia M. RAMIREZ
Sheet	3	of	3	Attorney Docket Number	LSBC-0087-CN09B

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
<i>JN</i>		TAKAMATSU, et al., "Production of enkephalin in tobacco protoplasts using tobacco mosaic virus RNA vector", <i>FEBS Lett.</i> (1990) 269(1):73-76	
<i>JN</i>		TURPEN, et al., "Malarial epitopes expressed on the surface of recombinant tobacco mosaic virus", <i>Bio/Tech.</i> (1995) 13:53-57	
<i>JN</i>		YUSIBOV, et al., "Antigens produced in plants by infection with chimeric plant viruses immunize against rabies virus and HIV-1", <i>Proc. Natl. Acad. Sci. USA</i> (1997) 94:5784-5788	

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